

Technical data sheet

GRAY TWO-COMPONENT WATERPROOFING MORTAR

Cementitious waterproofing mortars / 25 kg



IMPERMEABILIZANTES CEMENTICIOS

**IMPERMEABILIZANTE BI
COMPONENTE GRIS**

Color: Gris

25 KG

CONTENIDO NETO

IMC-BIC-GRI-025

LOTE: _____ FECHA: _____



FT / FDS

MASCRO

mascro.com.mx

ARTE PRELIMINAR · SACO

PRELIMINARY DOCUMENTATION

Preliminary information. This is not a final data sheet or an authorized application instruction.

Commercial identity is adapted to MASCRO. Technical data and pending observations from the source document are retained.

Digital information and draft control

GRAY TWO-COMPONENT WATERPROOFING MORTAR

Agreed pack size: 25 kg · Color: Gray

SKU: IMC-BIC-GRI-025

Digital information and downloads

Scan to open the product page and view its PDFs and flipbooks.

<https://mascro.com.mx/productos/impermeabilizante-bi-componente-gris/>

Scope of this review

The content was checked against the artboards in the original first- and second-part files. Data carried over from other products were corrected and the commercial pack size was updated. The company name, address, telephone numbers, final formulation and performance validation remain subject to confirmation. The standards cited in the originals are retained for this review.



Characteristics and applications

TECHNICAL CHARACTERISTICS

Mascro Gray Two-Component Cementitious Waterproofing Mortar is based on hydraulic binders, selected mineral aggregates and synthetic polymers in aqueous dispersion, designed to waterproof concrete structures under positive and negative hydrostatic pressure. It produces a fluid mix with excellent adhesion, waterproofing and mechanical strength, even on damp substrates. It forms a continuous, flexible, durable barrier that protects concrete from moisture, salts and atmospheric agents. It meets principles MC and IR of UNE EN 1504-2. It offers high water vapor permeability and resistance to thermal cycles, moisture and chloride attack. Mix density: 1.9 g/cm³. Mixing ratio: component A (20 kg) : component B (5 kg). Approximate consumption: 1.9 kg/m² per mm of thickness.

APPLICATIONS

For waterproofing hydraulic structures, buried walls, tanks, cisterns, elevator pits, basements, swimming pools and concrete surfaces exposed to positive or negative pressure. It can also be applied to cementitious renders, brick, block, structural masonry and precast elements. Suitable indoors and outdoors on horizontal and vertical surfaces. Suitable for balconies, terraces and decks with light foot traffic. Do not apply on surfaces with structural movement, plastic paints, wood or gypsum. Professional-use product compatible with mesh reinforcement at critical joints and corners.

Procedure and identification

Substrate preparation: ensure the surface is sound, clean and free of dust, grease, paint, release agents and laitance. Remove loose material by brushing or pressure washing. Dampen before application without excess water. Seal active leaks and repair defects with structural repair mortar.

Mix preparation: pour liquid component B into a clean container and gradually add powder component A while mixing continuously at low speed (300-400 rpm) until uniform and lump-free. Do not add extra water. Apply the mix within 60 minutes of preparation.

Product application: apply by brush, trowel or spray equipment in two or three crosswise coats, each 1 mm thick. Wait 5 to 6 hours between coats (no more than 24 hours). At critical areas or under negative pressure, embed mesh between the first and second coats. Recommended total thickness is 2-3 mm. Protect from sunlight, wind and rain for the first 24 hours. Wait at least 7 days before filling cisterns, ponds or tanks with water.

Cleaning: wash tools with water before the product hardens.

Pack size: 25 kg kit (20 kg component A + 5 kg component B).

Storage: component A: 12 months. Component B: 24 months. Keep between +5 °C and +35 °C in a dry, sheltered location.

Property	Characteristic value
Composition	Powder (component A) + acrylic liquid (component B)
Consistency	Creamy paste after mixing
Color	Gray or white
Bulk density	1.450 kg/m ³ (powder)
Solids content	> 80 %
ISO classification	CM-02P (flexible cementitious coating)
VOC emissions	0.0 g/L
Health approval	Suitable for potable-water contact
Product shelf life	12 months (component A) / 24 months B

Technical data

Condition / Property	Value
Mixing ratio	20 kg powder with 5 kg liquid
Mix density	1.850 kg/m ³
Mix pH	12
Consistency	Flexible, uniform paste
Application temperature	+5 °C to +35 °C
Recommended thickness	1.5–3.0 mm in two or three coats
Working time	Approximately 60 minutes
Touch dry	3 – 4 hours
Time between coats	4 – 6 hours
Full curing before water contact	7 days
Positive-pressure resistance (28 days)	≥ 5.0 bar
Negative-pressure resistance (28 days)	≥ 2.0 bar
Adhesion to concrete (28 days)	≥ 1.0 N/mm ²
Elongation at break	≥ 80 %
Capillary water absorption	< 0.05 kg/m ² ·h ^{0.5}
Water vapor permeability	High (μ ≤ 10)
Service temperature range	-20 °C to +80 °C
Resistance to alkalis and dissolved salts	High
Potable-water compatibility	Excellent